

## **Workshop Motivation:**

“The workshop will explore key opportunities for neutrino physics in the intermediate term. This includes possible new small to mid-scale experiments, US contributions to large scale experiments, upgrades to existing experiments and R&D plans. Examples include short-baseline neutrino oscillation experiments at accelerators, reactors or with sources and R&D opportunities, among others.”

### **From Glen’s talk:**

“This workshop gives us the opportunity to hear community ideas for near term (less than 5 year) small-scale experiments (total funding less than ~\$10M)...”

*This workshop is not a PAC. It gives the community an opportunity to discuss and communicate its priorities and goals. Towards this, can we define criteria that will guide funding decisions on this small- and mid-scale experiment portfolio....*

# Questions to start the conversation

How should we prioritize **diversity** (scale, location, physics)?

Is the **anticipated funding** for small- and mid-scale projects well-matched to the level of community interest? If not, how can we best address this mismatch?

What **sensitivity metrics** should be used to compare various sterile neutrino searches, given the possibility of oscillation scenarios with two or more sterile neutrinos?

How important is the “**internationalization**” of small- and mid-scale projects?

What are the most important measurements of **neutrino interactions** needed in the short term in support of broader physics goals?

Where are opportunities for **non-traditional funding** (*e.g.*, funding in support of non-physics applications)? Should we be doing more here?

How should experiments balance **physics goals with technology development**? How do we balance the need for pioneering detector development versus R&D directed at particular projects?

Where are the key opportunities for **joint HEP/NP support**? What can the community do to help make joint support a reality in suitable cases?